

What is claimed is:

1. An electromagnetic sound producing device comprising:
  - a case;
  - 5 a yoke, a coil, a permanent magnet, and a diaphragm provided in the case; the permanent magnet being made of SmFeN-base isotropy plastic magnetic material.
- 10 2. The device according to claim 1 wherein the permanent magnet has a cylindrical shape.
- 15 3. The device according to claim 1 the yoke has a center pole and is mounted on a base of the case, the coil has a cylindrical shape and is mounted on the yoke, surrounding the center pole.
4. The device according to claim 2 wherein the diaphragm is mounted on the permanent magnet.